

**VIRGINIA JUNIOR ACADEMY OF SCIENCE
2006 AWARDS**

AGRICULTURE AND ANIMAL SCIENCE

- Honorable Mention: JENNA M. BOYER
Southwest Virginia Governor's School
- Honorable Mention: CORTNEY Y. NEWELL AND DANIELLE K. PETERS
Mills E. Godwin High School
- Honorable Mention: AMANDA L. THOMAS
Prince Edward County High School
- Third Place: CLAYTON M. GEIPEL
George H. Moody Middle School
- Second Place: JESSIE C. CAPPELLO
Stonewall Jackson Middle School
- First Place: JACQUELINE R. ADDESA
Central Virginia Governor's School

ANIMAL BEHAVIOR (ETHOLOGY)

- Honorable Mention: NIKOLAS W. HAYES
Henrico High School
- Honorable Mention: STEPHEN B. TAYLOR
Maggie L. Walker Governor's School
- Third Place: CAMERON COVINGTON, WILLIAM HENLEY AND
BAILEY GAFFNEY
Goochland High School
- Second Place: BRITTANY M. MCLANE
Mills E. Godwin High School
- First Place: GRACE Z. WANG
Mills E. Godwin High School

BOTANY A

- Honorable Mention: BENJAMIN E. ABRAHAM
Mills E. Godwin High School
- Honorable Mention: EMILY L. BARNETT
George H. Moody Middle School
- Honorable Mention: RYAN L. FAUBER
George H. Moody Middle School
- Third Place: SAMANTHA A. HOELZER
Roanoke Valley Governor's School
- Second Place: KATHERINE L. HAPGOOD
Roanoke Valley Governor's School
- First Place: AMANDA E. DERRINGER
Roanoke Valley Governor's School

BOTANY B

- Honorable Mention: JORDAN A. MANDEL
Thomas Jefferson Middle School
- Honorable Mention: AMY L. TOGNA
Hermitage High School
- Third Place: ADRIANA M. PHILLIPS
Williamsburg Middle School
- Second Place: MARIA P. PAWLOSKY
Bishop Denis J. O'Connell High School
- First Place: LAURA K. LONG
Roanoke Valley Governor's School

CHEMISTRY A

- Honorable Mention: JOHN F. CARROLL
Central Virginia Governor's School
- Honorable Mention: MAXWELL W. DUNCAN
Yorktown High School

- Honorable Mention: CONSTANCE D. FRANKLIN
Central Virginia Governor's School
- Third Place: YASSER J. EL-ABD
Central Virginia Governor's School
- Second Place: DAVID T. FISHER
Maggie L. Walker Governor's School
- First Place: KATHLEEN E. FLEMING
Yorktown High School

CHEMISTRY B

- Honorable Mention: ANDREW D. SAMORA
Yorktown High School
- Third Place: ALEXANDRA L. VULCANOFF
George H. Moody Middle School
- Second Place: AMY L. ORR
Central Virginia Governor's School
- First Place: BENJAMIN M. SPENCE
Mills E. Godwin High School

COMPUTER SCIENCE

- Honorable Mention: JASON T. BAUMGARTNER
Deep Run High School
- Third Place: GASTON W. DIETZ
Shenandoah Valley Governor's School
- Second Place: STEVEN B. COPELAND
Deep Run High School
- First Place: ERIC J. WELANDER
Deep Run High School

CONSUMER SCIENCE A

- Honorable Mention: FELICIA A. HOLZGREFE
Atlee High School

- Third Place: MARTHA A. KAHLSON
Mills E. Godwin High School
- Second Place: CLAIR M. KARAFFA
Shenandoah Valley Governor's School
- First Place: MICHAEL P. GIUFFRIDA
Maggie L. Walker Governor's School

CONSUMER SCIENCE B

- Honorable Mention: KATHRYN L. MCLANE
George H. Moody Middle School
- Honorable Mention: KATHRYN M. PORTER
Hermitage High School
- Honorable Mention: MOLLY B. SHEA
Shenandoah Valley Governor's School
- Third Place: DANIEL D. STRAUS
Yorktown High School
- Second Place: MAREN T. VAN HUSS
Shenandoah Valley Governor's School
- First Place: ERIKA E. POWELL
Douglas Freeman High School

EARTH AND SPACE SCIENCE

- Honorable Mention: CAITLIN M. ALEXANDER
Shenandoah Valley Governor's School
- Honorable Mention: KRISTIN R. FIELDS
Southwest Virginia Governor's School
- Honorable Mention: JOSEPH F. WOOD
James River High School
- Third Place: APURVA PANDE
George H. Moody Middle School

Second Place: ELI J. GORSKI
Mills E. Godwin High School

First Place: ADARSH R. RAMAKRISHNAN
Mills E. Godwin High School

ENGINEERING A

Honorable Mention: APRIL B. BAKER
Shenandoah Valley Governor's School

Honorable Mention: BRADLEY F. CRADDOCK
Deep Run High School

Honorable Mention: LAUREN E. DEMOSS
Shenandoah Valley Governor's School

Third Place: JENNIFER L. DOWNS AND ANNE D. TALLEY
Mills E. Godwin High School

Second Place: SEUNGHYUP B. HAN
Maggie L. Walker Governor's School

First Place: WILLIAM J. BROWNHILL
Deep Run High School

ENGINEERING B

Honorable Mention CHRISTINE R. JOGERST
Central Virginia Governor's School

Honorable Mention: MARINA E. MICHAEL
Central Virginia Governor's School

Honorable Mention: TATIANA NICULESCU
Shenandoah Valley Governor's School

Third Place: ANDREW P. SLOTNICK AND NATHAN O. VAN NATTA
Deep Run High School

Second Place: BRYAN J. SHADRON
Mills E. Godwin High School

First Place: ANMAR L. SIOCHI
Warwick High School

ENVIRONMENTAL SCIENCE A

- Honorable Mention: RISHABH BAJEKAL
Mills E. Godwin High School
- Honorable Mention: AMRITA BANERJEE
Mills E. Godwin High School
- Honorable Mention: CHRISTINA CHOW AND COURTNEY R. CARTER
Chesapeake Bay Governor's School
- Third Place: JAMES B. DEEMY
Chesapeake Bay Governor's School
- Second Place: NATHANIEL DELANO, JOSHUA FLICKINGER
AND ROBERT RYLAND
Chesapeake Bay Governor's School
- First Place: BENJAMIN C. ARANCIBIA
Mills E. Godwin High School

ENVIRONMENTAL SCIENCE B

- Honorable Mention: BRENDAN C. DOYLE
Yorktown High School
- Honorable Mention: MARY A. GALLAGHER
Yorktown High School
- Honorable Mention: NATALIE M. HENDRICK
Hermitage High School
- Third Place: JORDAN L. GATES AND LEANNE E. WATROUS
Chesapeake Bay Governor's School
- Second Place: AMANDA N. GRANT
Deep Run High School
- First Place: ABBY M. HUGHES
Chesapeake Bay Governor's School

ENVIRONMENTAL SCIENCE C

- Honorable Mention: HOLLY M. JONES
Chesapeake Bay Governor's School

- Honorable Mention: CARA M. NORTON
Roanoke Valley Governor's School
- Honorable Mention: JOHN B. POTTER
Central Virginia Governor's School
- Third Place: WILLARD T. OBER
Chesapeake Bay Governor's School
- Second Place: OMKAR G. KHARKAR
Deep Run High School
- First Place: ERIN M. KELLUM AND THERESE J. KILLION
Chesapeake Bay Governor's School

ENVIRONMENTAL SCIENCE D

- Honorable Mention: EDWARD S. RICE AND KAREEM M. EL-GOHARY
Thomas Jefferson High School for Science and Technology
- Honorable Mention: CATHERINE M. SEALS
Central Virginia Governor's School
- Honorable Mention: JESSICA S. WANG
Mills E. Godwin High School
- Third Place: CAROLINE J. TERRY AND ERIKA R. DAHLEM
Chesapeake Bay Governor's School
- Second Place: MEGAN T. WIND AND TIFFANY J. LEE
Chesapeake Bay Governor's School
- First Place: JASON D. SHIELDS
New Horizons Governor's School

GENETICS AND CELLULAR BIOLOGY

- Honorable Mention: BRENNAN J. VORHIS
Deep Run High School
- Honorable Mention: JOHN N. ADAMS
Central Virginia Governor's School

- Honorable Mention: JASMINE N. JONTE
Mills E. Godwin High School
- Third Place: AMBER G. KUNKEL
Maggie L. Walker Governor's School
- Second Place: JAKE M. SATIN
Douglas Freeman High School
- First Place: SOHINI SIRCAR
Maggie L. Walker Governor's School

MATHEMATICS

- Honorable Mention: RACHEL S. BURK
Maggie L. Walker Governor's School
- Honorable Mention: CHRISTOPHER P. RA
Roanoke Valley Governor's School
- Third Place: PRAKRITI VERMA
Grafton High School
- Second Place: FERNANDO D. DE FARIA
Shenandoah Valley Governor's School
- First Place: ZECHARIAH T. ZIMMERMAN
Roanoke Valley Governor's School

MEDICINE AND HEALTH A

- Honorable Mention: ADAM A. BRUCE
Mills E. Godwin High School
- Honorable Mention: NIYANT A. JAIN
Mills E. Godwin High School
- Third Place: STEPHEN L. JOYCE
Goochland High School
- Second Place: SARAH L. COLEMAN
Shenandoah Valley Governor's School

First Place: DAVID J. HANNA
Mills E. Godwin High School

MEDICINE AND HEALTH B

Honorable Mention: JESSICA W. LAU
George H. Moody Middle School

Honorable Mention: BENJAMIN G. LUKE
Wakefield Country Day School

Honorable Mention: EILEEN A. SETIEN
James River High School

Third Place: ABIGAIL E. NUNN
Deep Run High School

Second Place: AMANDA C. LOTT
Shenandoah Valley Governor's School

First Place: GRETE C. KARUSO
Washington-Lee High School

MEDICINE AND HEALTH C

Honorable Mention: LAUREL B. SLOUGH AND CARY P. SPIERS
Mills E. Godwin High School

Honorable Mention: RACHEL E. WHEELER
Mills E. Godwin High School

Honorable Mention: CHAO YIN
Yorktown High School

Third Place: BRITTANY M. SWANN
Shenandoah Valley Governor's School

Second Place: JING YUAN
Mills E. Godwin High School

First Place: ALISON S. WALTER
Maggie L. Walker Governor's School

MICROBIOLOGY A

- Honorable Mention: MARIA E. CAMBONE
Bishop Denis J. O'Connell High School
- Honorable Mention: THOMAS J.C. MORIE
Yorktown High School
- Honorable Mention: PADMA V. CHITNAVIS
Roanoke Valley Governor's School
- Third Place: ALEXIS H. BENNETT
George H. Moody Middle School
- Second Place: JUSTINE V. ARRINGTON
Central Virginia Governor's School
- First Place: TIMOTHY J. HENDERSON
Central Virginia Governor's School

MICROBIOLOGY B

- Honorable Mention: MUNTASIR A. NATOUR
Central Virginia Governor's School
- Honorable Mention: FALAK F. QADIR
Atlee High School
- Honorable Mention: CHRISTA N. WOOD
Hermitage High School
- Third Place: DYLAN M. NORVELL
Henrico High School
- Second Place: SURAJ K. MISHRA
Mills E. Godwin High School
- First Place: MICHAEL A. WONG
Maggie L. Walker Governor's School

PHYSICAL SCIENCE A

- Honorable Mention: CLAIRE A. BOBST
Swanson Middle School

Third Place: ALEX B. JONES AND MADISON E. LANE
Swanson Middle School

Second Place: BRANDEN T. KATONA
George H. Moody Middle School

First Place: MEREDITH F. BEARDEN
George H. Moody Middle School

PHYSICAL SCIENCE B

Honorable Mention: CHRISTOPHER D. KIME
Swanson Middle School

Honorable Mention: MATTHEW P. NEWMAN
Swanson Middle School

Honorable Mention: MATTHEW H. NGUYEN
George H. Moody Middle School

Third Place: DANIEL P. REYNOLDS
George H. Moody Middle School

Second Place: HANNAH E. RUMSEY
Gildersleeve Middle School

First Place: CARA M. NEWLON
Williamsburg Middle School

PHYSICS A

Honorable Mention: JOSEPH W. ELDREDGE
Shenandoah Valley Governor's School

Honorable Mention: JENNIFER T. GIUFFRIDA
Deep Run High School

Honorable Mention: AMEYA JAMMI
Mills E. Godwin High School

Third Place: TRAVIS M. GEARY
Shenandoah Valley Governor's School

Second Place: BENJAMIN C. CHARLTON
Central Virginia Governor's School

First Place: DAVID K. EDER AND MERCER V. BASYE II
Chesapeake Bay Governor's School

PHYSICS B

Honorable Mention: MATTHEW R. MAPLES
Gildersleeve Middle School

Honorable Mention: HAYDEN C. TOWNSEND
Hermitage High School

Third Place: DEVON M. MILLER
Douglas Freeman High School

Second Place: RODRIGO SARLO
Central Virginia Governor's School

First Place: ANANT SHULKA
Maggie L. Walker Governor's School

PSYCHOLOGY - GENERAL

Honorable Mention: EMILY A. MARTIN
George H. Moody Middle School

Honorable Mention: BLAIR J. ROBERTSON
Shenandoah Valley Governor's School

Honorable Mention: CHRISTINE A. TRAN
George H. Moody Middle School

Third Place: AUDREY G. TRUSSELL
Central Virginia Governor's School

Second Place: LAUREN A. WISELY
Shenandoah Valley Governor's School

First Place: ANDREW P. BROWN
Yorktown High School

PSYCHOLOGY - LEARNING & PERCEPTION A

- Honorable Mention: JULIA C. CALLAHAN
Deep Run High School
- Honorable Mention: AMBER A. DING
J.R. Tucker High School
- Honorable Mention: CLARENCE T. HUYNH AND EVAN R. CANTOR
Deep Run High School
- Third Place: EUNICE J. CHUNG
Central Virginia Governor's School
- Second Place: SARAH E. DANAHER
Central Virginia Governor's School
- First Place: LEE H. ELLIOTT
Central Virginia Governor's School

PSYCHOLOGY - LEARNING & PERCEPTION B

- Honorable Mention: PRATIK A. PATEL
Central Virginia Governor's School
- Third Place: SARAH E. MCDONALD
Central Virginia Governor's School
- Second Place: CAMILLE M. STITT
Central Virginia Governor's School
- First Place: DAVID G. WISE
Mills E. Godwin High School

PSYCHOLOGY - SOCIAL

- Honorable Mention: ELIZABETH N. BRANDT
Shenandoah Valley Governor's School
- Honorable Mention: NORMA M. CHAMMA
Yorktown High School

- Honorable Mention: LINDSEY N. URQUIA AND EVA C. ROFFIS
Deep Run High School
- Third Place: COLLIN P. FITZSIMMONS
Deep Run High School
- Second Place: MARK R. EDELSTEIN
Douglas Freeman High School
- First Place: ANNE K. MINOFF
Yorktown High School

STATISTICS

- Honorable Mention: MANI D. KAMINENNI
Mills E. Godwin High School
- Third Place: ROHIT BANERJEE AND RAHUL MENON
Mills E. Godwin High School
- Second Place: MATTHEW J. BROWN
Mathematics and Science High School at Clover Hill
- First Place: ROHIT BANERJEE
Mills E. Godwin High School

ZOOLOGY

- Honorable Mention: AARON A. CARDOZA
Central Virginia Governor's School
- Honorable Mention: KATHERINE E. HUNOLD
Mills E. Godwin High School
- Honorable Mention: CHELSEA A. LIVINGSTON
Deep Run High School
- Third Place: GREGORY E. TITO
George H. Moody Middle School
- Second Place: HUNTER A. JOSEPH
Shenandoah Valley Governor's School
- First Place: LEAH J. HENDRIX
Chesapeake Bay Governor's School

SPECIAL AWARDS

Botany Section Award, given by the Botany Section of the VAS, to the best paper on a botanical subject. (\$150.00)

LAURA K. LONG
Roanoke Valley Governor's School

VJAS Neuroscience Awards supported by the Virginia Neurological Society is given to an out-standing paper in the field of neuroscience (\$100).

ANDREW P. BROWN
Yorktown High School

Mathematics Award for the paper that evidences the most significant contribution in the field of Mathematics. (\$200.00)

ZECHARIAH ZIMMERMAN
Roanoke Valley Governor's School

Statistics Award for the paper that evidences the most significant contribution in the field of Statistics (\$200.00)

ROHIT BANERJEE
Mills E. Godwin High School

Smith Shadomy Infectious Disease Award in honor and memory of Dr. Smith Shadomy given by the Virginia Chapter of the National Foundation of Infectious Diseases. (\$50.00)

CHAO YIN
Yorktown High School

Roscoe Hughes Award for the best paper in the field of Cellular Biology (\$150.00)

AMBER G. KUNKEL
Maggie L. Walker Governor's School

Rodney C. Berry Chemistry Award for the paper that evidences the most significant contribution in the field of chemistry. (\$200.00)

BENJAMIN M. SPENCE
Mills E. Godwin High School

The Dr. and Mrs. Preston H. Leake Award in Applied Chemistry will be given to the author of a research paper which best exemplifies how chemicals, chemical principles, or chemistry have been used, are used, or might be used to enhance or even to save life. (\$200, \$150)

Second Place	KATHLEEN E. FLEMING Yorktown High School
First Place	SOHINI SIRCAR Maggie L. Walker Governor's School

Russell J. Rowlett Award for the Best Research Paper of the Year. (\$200)

JASON SHIELDS
New Horizons Governor's School

The Virginia Psychological Foundation Meritorious Research Awards recognize outstanding presentations of research in the various fields of psychology. Presented by *James P. O'Brien*. (\$100 each for 4 winners)

ANDREW P. BROWN
Yorktown High School

LEE H. ELLIOTT
Central Virginia Governor's School

DAVID G. WISE
Mills E. Godwin High School

ANNE K. MINOFF
Yorktown High School

Virginia Sea Grant College Program Award is given by the Virginia Sea Grant College Program for outstanding marine or coastal research. (\$100.00)

WILLARD T. OBER
Chesapeake Bay Governor's School

American Cancer Society Award - This award is to recognize outstanding science papers related to cancer research. A certificate to each and to 1st place - \$200, 2nd place \$100, HM \$50. There will be a ribbon for each winner. These awards are provided by the American Cancer Society (Virginia Council). These awards are being presented by *Susannah Whitener*, a community manager with the American Cancer Society serving the New River Valley and *Abigail Bartley*, Regional Development Director will present these awards

Honorable Mention	YU-SUNG HUANG Maggie L. Walker Governor's School
Honorable Mention	TAEHYUN RYU Bishop Denis J. O'Connell High School
Second Place	CHAO YIN Yorktown High School
First Place	SOHINI SIRCAR Maggie L. Walker Governor's School

The Gamma Sigma Delta Award (Agriculture). Presented by the VPI & SU Chapter of the Honor Society of Agriculture. This award is presented in recognition of excellence in research dealing with application of new technologies and/or concepts in agriculture forestry, or veterinary medicine. (\$100)

JACQUELINE R. ADDESA
Central Virginia Governor's School

Dominion - W.W. Berry Award. This award is given by Dominion Virginia Power in honor of Mr. W. W. Berry who was a past Chairman of the Board of VA Power. This award of a \$500.00 Savings Bond will be presented to the best engineering paper. The winners must see the Director by the stage after the awards ceremony.

ANMAR L. SIOCHI
Warwick High School

The Joyce K. Peterson Award is presented for the outstanding paper by a middle school student. It is presented in honor of Mrs. Joyce K. Peterson who has been an outstanding teacher in the Arlington County Schools. (\$50)

APURVA PANDE
George H. Moody Middle School

The Ann M. Hancock Award - This award is given to the best paper in genetics and is given in memory of Anne Hancock who retired from Patrick Henry High School in Hanover County and who gave many years of service to the Jr. Academy not only by teaching but also serving on the Jr. Academy Committee. (\$100)

SOHINI SIRCAR
Maggie L. Walker Governor's School

Dorothy Knowlton Award - This award is given to the best paper in the Consumer Science section(s) and is given in honor of Dorothy Knowlton, former Science Coordinator of Arlington County Schools. (\$50)

ELIZABETH GENTRY
Atlee High School

VABE Award - This award is presented by the Virginia Association of Biology Educators and is given for outstanding research in the Zoology section. (\$100)

LEAH J. HENDRIX
Chesapeake Bay Governor's School

Virginia Museum of Natural History Award - Presented by the Friends of the Virginia Museum of Natural History in recognition of significant contribution in the study and interpretation of Virginia's Natural Heritage. The winner will receive \$100. This award will be presented by the VA Museum of Natural History Director, Tim Gette.

WILLARD T. OBER
Chesapeake Bay Governor's School

Trip to AJAS - AAAS Meeting for two students for presenting outstanding papers. The 2007 meeting will be held in Feb. in San Francisco. Please meet with the Director in front of the stage after the awards ceremony.

Winner SOHINI SIRCAR
Maggie L. Walker Governor's School

Winner ANDREW BROWN
Yorktown High School

Honorary Membership - AAAS given to two students.

TRISTAN HAYES
I.C. Norcom High School

KELLY O'BRIANT
Yorktown High School

Honorary Membership - VAS given to a student.

KELLY O'BRIANT
Yorktown High School

Bethel High School Scholarship - This \$1,000 Scholarship Award comes from the interest earned from a \$10,000 endowment contributed by the students of Bethel High School, Hampton, Va., over a two year period. This award is based on both the students presentation and paper.

GRETE C. KARUSO
Washington-Lee High School

TECH Scholarships - This year, Virginia TECH, the Virginia Junior Academy of Science host university, will offer three scholarships to students who have written an outstanding research paper and who will be attending VA TECH. Each scholarship is for \$2,000.00.

The Thomas H. Jones Scholarship will be presented by *Dr. Richard G. Oderwald*, Associate Dean, College of Natural Resources.

HOLLY STAINBACK
Chesapeake Bay Governor's School

The Booker Scholarship for Entering freshmen in the College of Science is being awarded by *Dr. Jerry H. Via*, Assistant Dean, College of Science.

ABBY HUGHES
Chesapeake Bay Governor's School

The John Lee Pratt Scholarship is being awarded by *Dr. John Crunkilton*, Assistant Dean, College of Agriculture and Life Sciences.

AMANDA L. THOMAS
Prince Edward County High School

Henry MacKenzie Environmental Scholarship - This \$5,000 scholarship will be awarded to the student whose paper evidences the most significant contribution in the field of Environmental Science dealing with the James River Basin and Chesapeake Bay. The Virginia Endowment and VJAS offer this scholarship in tribute to the outstanding and generous services of Judge Henry W. MacKenzie, Jr., one of the founding directors who has a great interest in the James River and the Chesapeake Bay.

ABBY M. HUGHES
Chesapeake Bay Governor's School

Frances and Sydney Lewis Environmental Scholarship: A \$14,000 scholarship (\$3,500 per year for four years) for the best effort by a student in grades 9 to 12 in the field of environmental science. This scholarship is in the name of Frances and Sydney Lewis and is given by the Virginia Environmental Endowment.

LEAH J. HENDRIX
Chesapeake Bay Governor's School

E.C.L. Miller Science Teacher of the Year Award is given to an outstanding science teacher. An all-expense-paid trip to the next VAST meeting held in November.

KAY SELISKAR
Swanson Middle School

VJAS Distinguished Service Award, most prestigious award given by the VJAS, is presented to a person for exceptionally outstanding service to the VJAS. This award is presented by Susan Booth.

JAMES (JIM) MARTIN
BARBARA (BOBBIE) WHITTIER